

## EAST Search History

S4	31	((super adj resolution) or super\$1resolution) and (donut or doughnut)	US-PGPUB; USPAT	AND	ON	2007/04/26 13:31
S5	1	((super adj resolution) or super\$1resolution) and (donut or doughnut) near4 filter	US-PGPUB; USPAT	AND	ON	2007/04/26 13:32
S6	160	(donut or doughnut) near4 filter	US-PGPUB; USPAT	AND	ON	2007/04/26 13:36
S7	7	donut adj filter	US-PGPUB; USPAT	AND	ON	2007/04/26 15:51
S8	8	"358".clas. and SRE	US-PGPUB; USPAT	AND	ON	2007/04/26 15:52
S9	21	mcelvain-j\$.in.	US-PGPUB; USPAT	AND	ON	2007/04/26 15:55
S10	0	hains-c.in.	US-PGPUB; USPAT	AND	ON	2007/04/26 15:55
S11	29	hains-c\$.in.	US-PGPUB; USPAT	AND	ON	2007/04/26 15:59
S12	103	halfon\$.ab. and addressability	US-PGPUB; USPAT	AND	ON	2007/04/26 16:00
S13	22	halfon\$.ab. and addressability same (sub\$1pixel or sub adj pixel or subpixel)	US-PGPUB; USPAT	AND	ON	2007/04/26 16:37
S14	4381	(dither or threshold) near (matrix or array)	US-PGPUB; USPAT	AND	ON	2007/04/26 16:37
S15	657	halfon\$.ab. and (dither or threshold) near (matrix or array)	US-PGPUB; USPAT	AND	ON	2007/04/26 16:37
S16	132	halfon\$.ab. and (dither or threshold) near (matrix or array).ab.	US-PGPUB; USPAT	AND	ON	2007/04/26 16:39
S17	62	halfon\$.ab. and dither near (matrix or array).ab.	US-PGPUB; USPAT	AND	ON	2007/04/27 10:57
S18	5878	(358/1.9,3.07,3.13-3.19,3.22,466,535).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/27 10:58
S19	480	(382/270).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/27 10:58

## EAST Search History

S20	6211	S18 or S19		US-PGPUB; USPAT	AND	ON	2007/04/27 10:58
S21	167	S20 and (sub adj pixel or subpixel or sub\$1pixel)		US-PGPUB; USPAT	AND	ON	2007/04/27 16:53
S22	23	S20 and (sub adj pixel or subpixel or sub\$1pixel) near4 (addressabl\$4 or addressablit\$4)		US-PGPUB; USPAT	AND	ON	2007/04/27 14:00
S23	1	"5673121".pn.		US-PGPUB; USPAT	AND	ON	2007/04/27 15:40
S24	0	EP "0293214" A3		EPO	AND	ON	2007/04/27 15:41
S25	0	EP "0" "293214" A3		EPO	AND	ON	2007/04/27 15:40
S26	0	"293214" A3		EPO	AND	ON	2007/04/27 15:40
S27	0	"293" "214" A3		EPO	AND	ON	2007/04/27 15:40
S28	0	EP0293214		EPO	AND	ON	2007/04/27 15:41
S29	0	EP "0293214"		EPO	AND	ON	2007/04/27 15:41
S30	0	EP00293214		EPO	AND	ON	2007/04/27 15:41
S31	0	EP000293214		EPO	AND	ON	2007/04/27 15:42
S32	0	ulichney-r.in.		EPO	AND	ON	2007/04/27 15:42
S33	5	ulichney.in.		EPO	AND	ON	2007/04/27 15:43
S34	39	ulichney-r\$.in.		US-PGPUB; USPAT	AND	ON	2007/04/27 15:43
S35	20	("4124870"   "4150400"   "4258393"   "4782398"   "4868684"   "5050000"   "5172132").PN. OR ("5486927").URPN.		US-PGPUB; USPAT; USOCR	AND	ON	2007/04/27 16:45
S36	4	S20 and (superresolution or super adj resolution or super\$1resolution)		US-PGPUB; USPAT	AND	ON	2007/04/27 17:08
S37	2430	(superresolution or super adj resolution or super\$1resolution)		US-PGPUB; USPAT	AND	ON	2007/04/27 17:08
S38	250	("358" or "382" or "345").clas.(superresolution or super adj resolution or super\$1resolution)		US-PGPUB; USPAT	AND	ON	2007/04/27 17:09

## EAST Search History

S39	250	("358" or "382" or "345").clas. and (superresolution or super adj resolution or super\$1resolution)	US-PGPUB; USPAT	AND	ON	2007/04/27 17:09
S40	89	("358" or "382" or "345").clas. and (superresolution or super adj resolution or super\$1resolution) and (subpixel or sub\$1pixel or sub adj pixel)	US-PGPUB; USPAT	AND	ON	2007/04/27 17:17
S41	14	(superresolution or super adj resolution or super\$1resolution) and (dither or threshold) near2 (matrix or array)	US-PGPUB; USPAT	AND	ON	2007/04/27 17:21
S42	83	(dither or threshold) near2 (matrix or array) same interpolat\$3	US-PGPUB; USPAT	AND	ON	2007/04/27 17:23
S43	118	(dither or threshold) near2 (matrix or array or pattern) same interpolat\$3	US-PGPUB; USPAT	AND	ON	2007/04/27 17:23
S44	39	S20 and (dither or threshold) near2 (matrix or array or pattern) same interpolat\$3	US-PGPUB; USPAT	AND	ON	2007/05/08 09:58
S45	1	assymetr\$10 with (dither or threshold) near2 (matrix or array or pattern)	US-PGPUB; USPAT	AND	ON	2007/04/27 17:37
S46	1	"5020411".pn.	US-PGPUB; USPAT	AND	ON	2007/04/30 13:30
S47	1	10/182373	US-PGPUB; USPAT	AND	ON	2007/04/30 13:31
S48	26	("4149194"   "4185304"   "5184226"   "5200831"   "5327262"   "5357344"   "5394252"   "5410414"   "5504462"   "5537223"   "5587772"   "5638107"   "5673121"   "5734752"   "5742703"   "5805734").PN. OR ("6252675").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/30 14:43
S49	5902	(358/1.9,3.07,3.13-3.19,3.22,466,535).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/08 09:58
S50	480	(382/270).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/08 09:58
S51	6235	S49 or S50	US-PGPUB; USPAT	AND	ON	2007/05/08 09:58
S52	331	S51 and (dither or threshold) near2 (matrix or array or pattern) same \$resolution	US-PGPUB; USPAT	AND	ON	2007/05/08 09:59
S53	190	S51 and (dither or threshold) near2 (matrix or array or pattern) with \$resolution	US-PGPUB; USPAT	AND	ON	2007/05/08 09:59

## EAST Search History

S54	50	("4339774"   "4651228"   "4654721"   "4733230"   "4956638").PN. OR ("5031050").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/08 10:06
S55	42	"5742703"	US-PGPUB; USPAT	AND	ON	2007/05/11 15:55
S56	0	"5742703.pn"	US-PGPUB; USPAT	AND	ON	2007/05/11 15:55
S57	1	"5742703".pn.	US-PGPUB; USPAT	AND	ON	2007/05/11 15:55
S58	35	("5742703").URPN.	USPAT	AND	ON	2007/05/11 16:04
S59	54	("4437122"   "4544264"   "4841375"   "4847641"   "4996603"   "5001576"   "5005139"   "5072291"   "5101438"   "5134495"   "5138339"   "5150311"   "5153925"   "5206741"   "5270836"   "5282057"   "5301037"   "5359423"   "5485289").PN. OR ("5742703").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/11 16:04
S60	2	volcano near4 filter	US-PGPUB; USPAT	AND	ON	2007/05/11 17:34
S61	3	"358".clas. and volcano	US-PGPUB; USPAT	AND	ON	2007/05/11 17:34
S62	46	(dither or threshold) near2 (matrix or array or pattern) with FM	US-PGPUB; USPAT	AND	ON	2007/05/14 15:57

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6335989".pn.	USPAT	OR	OFF	2007/05/16 11:20
L2	1	"4814886".pn.	USPAT	OR	OFF	2007/05/16 11:22
L3	1	"6172773".pn.	USPAT	OR	OFF	2007/05/16 11:23
L4	0	EP0293214	USPAT; EPO	OR	OFF	2007/05/16 11:24
L5	0	EP00293214	USPAT; EPO	OR	OFF	2007/05/16 11:24
L6	0	EP000293214	USPAT; EPO	OR	OFF	2007/05/16 11:25
L7	3392672	EP "0293214"	USPAT; EPO	OR	OFF	2007/05/16 11:25
L8	0	EP near "0293214"	USPAT; EPO	OR	OFF	2007/05/16 11:25
L9	10	"0293214"	USPAT; EPO	OR	OFF	2007/05/16 11:25
L10	36	ulichney-r\$.in.	USPAT; EPO	OR	OFF	2007/05/16 11:40
L11	1	"5317418".pn.	USPAT; EPO	OR	OFF	2007/05/16 11:46
L12	4	dither near (grid or matrix) with (sub adj pixel or sub?pixel or sub\$1pixel)	USPAT; EPO	OR	OFF	2007/05/16 11:47
L13	6	dither near (grid or matrix) with (sub adj pixel or sub?pixel or sub\$1pixel)	US-PGPUB; USPAT	OR	OFF	2007/05/16 11:47
S1	2430	(super adj resolution) or super\$1resolution	US-PGPUB; USPAT	AND	ON	2007/04/26 13:29
S2	6	((super adj resolution) or super\$1resolution) near grid	US-PGPUB; USPAT	AND	ON	2007/04/26 13:31
S3	5	((super adj resolution) or super\$1resolution) same (donut or doughnut)	US-PGPUB; USPAT	AND	ON	2007/04/26 13:31